

201.1 - pH Calibration (powder form)

These SRMs are used to prepare solutions of known hydrogen ion activity to calibrate commercial pH instruments. SRMs 186g and 191c are each certified for use as an admixture only. SRM 186g (186-I-g and 186-II-g) may be used to prepare solutions with a pH of 6.8640 at 25°C, or physiological buffer solutions with a pH of 7.4157 at 25°C.

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	Description	Unit Size	pH(S) Values at 25 °C)
185h	Potassium Hydrogen Phthalate, pH Standard	60 G	4.008
186g	pH Standards, (set of 186-I-g + 186-II-g)	set	(see text above)
187e	Sodium Tetraborate (Borax), pH	30 g	9.186
188	Potassium Hydrogen Tartrate, pH	60 g	3.557
189c	Potassium Tetroxalate Dihydrate pH Standard	65 g	1.677
191d	pH Standards, (set of 191d-I + 191d-II)	1 bottle x25g;1bottlex30g	10.014
2193a	Calcium Carbonate pH Standard	30 g	12.469

Certified values are normal font.

Reference values are italicized.

Values in parentheses are for information only.